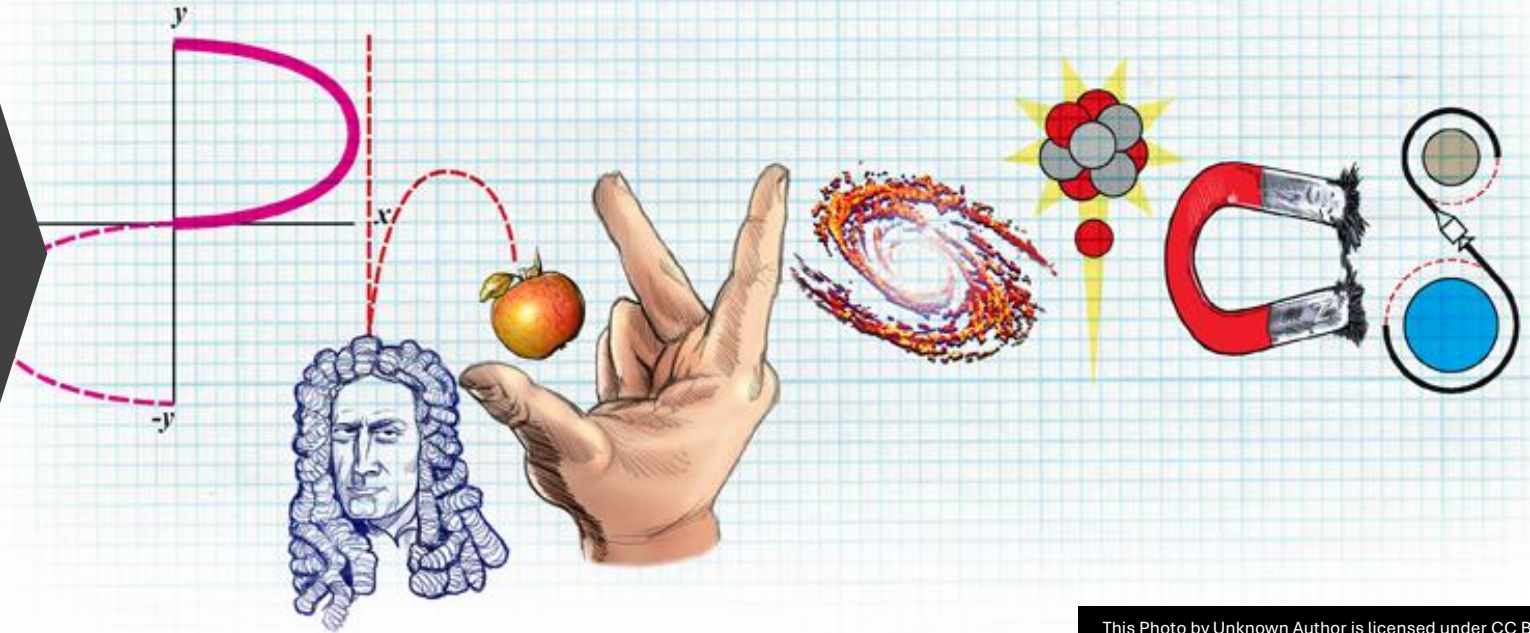


SURVIVAL SCIENCE LESSON 2A

OUR PHYSICS TIMELINE



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INVENTIONS THROUGH TIME

WHAT IF ...

What if...you were stranded on a deserted island and had no gear:

1. How would you improve your survivability?
2. What knowledge could you **leverage**?
3. What has God given you to make surviving possible?



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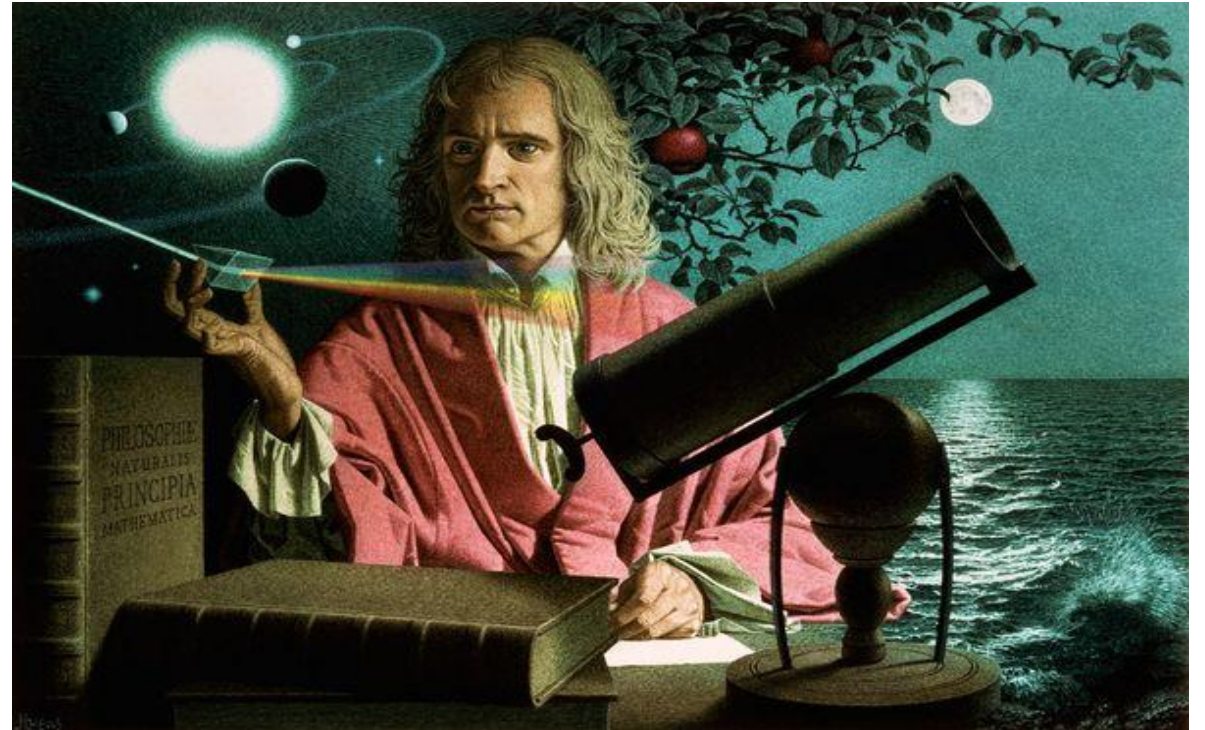
INGENUITY...

A QUALITY OF BEING ORIGINAL, INVENTIVE, CREATIVE, AND SMART

GOD Gave You INGENUITY to Survive!

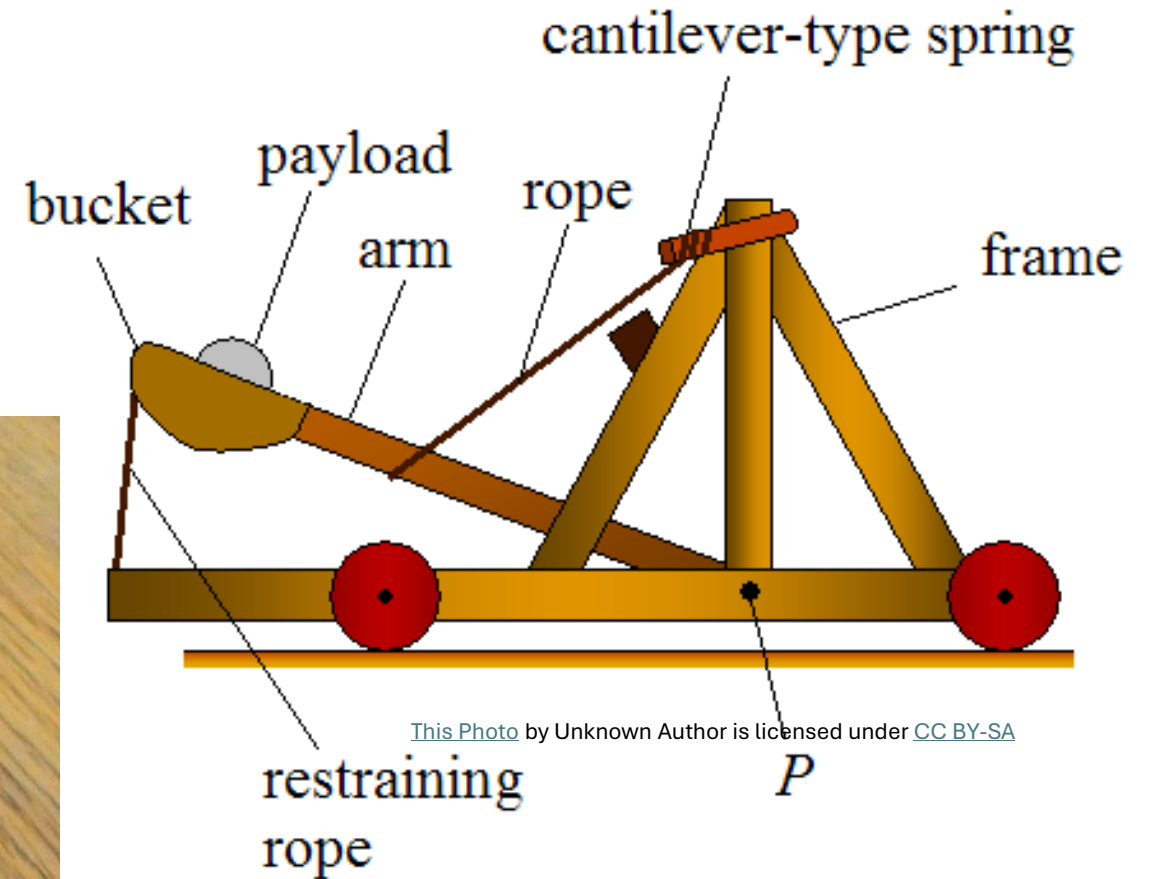
This year you'll try to **LEVERAGE** any resource or natural materials you can find by using them to **INVENT**.

Inventions begin with Adam and Eve's family and have continued on...



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A Machine/Tool Lever You Can Make

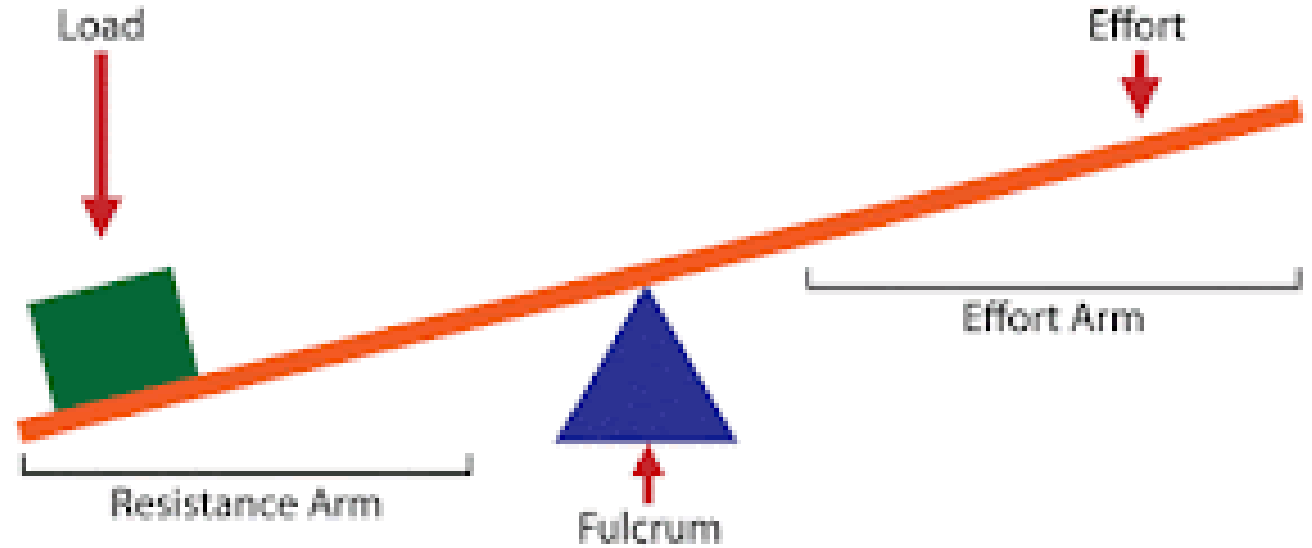


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- Make your own catapult
 - Rubberbands, glue/cap, & sticks



LEVERS AND FULCRUMS



FULCRUM – an object/point on which a lever rests and pivots.

TIMELINE (History):

**4000 BC – 2400 BC (to the Flood)
called the BRONZE AGE:**

Many cities were founded,
specialized work begins including
metallurgy and ship building.

WORKING INVENTIONS

Metals + levers + wedges = new
tools, better equipment

Boats travel rivers and the
Mediterranean Sea coast.

EGYPTIAN CULTURE BEGINS

Stone & Wooden Structures are Designed



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BUILDING BOATS

- 4000 BC** EGYPTIANS travel the Nile in boats made of reeds
- 2500 BC** EGYPTIANS built seaworthy wooden boats
- 2500 BC** NOAH builds an enormous wooden boat
- 1500 BC** PHOENICIANS

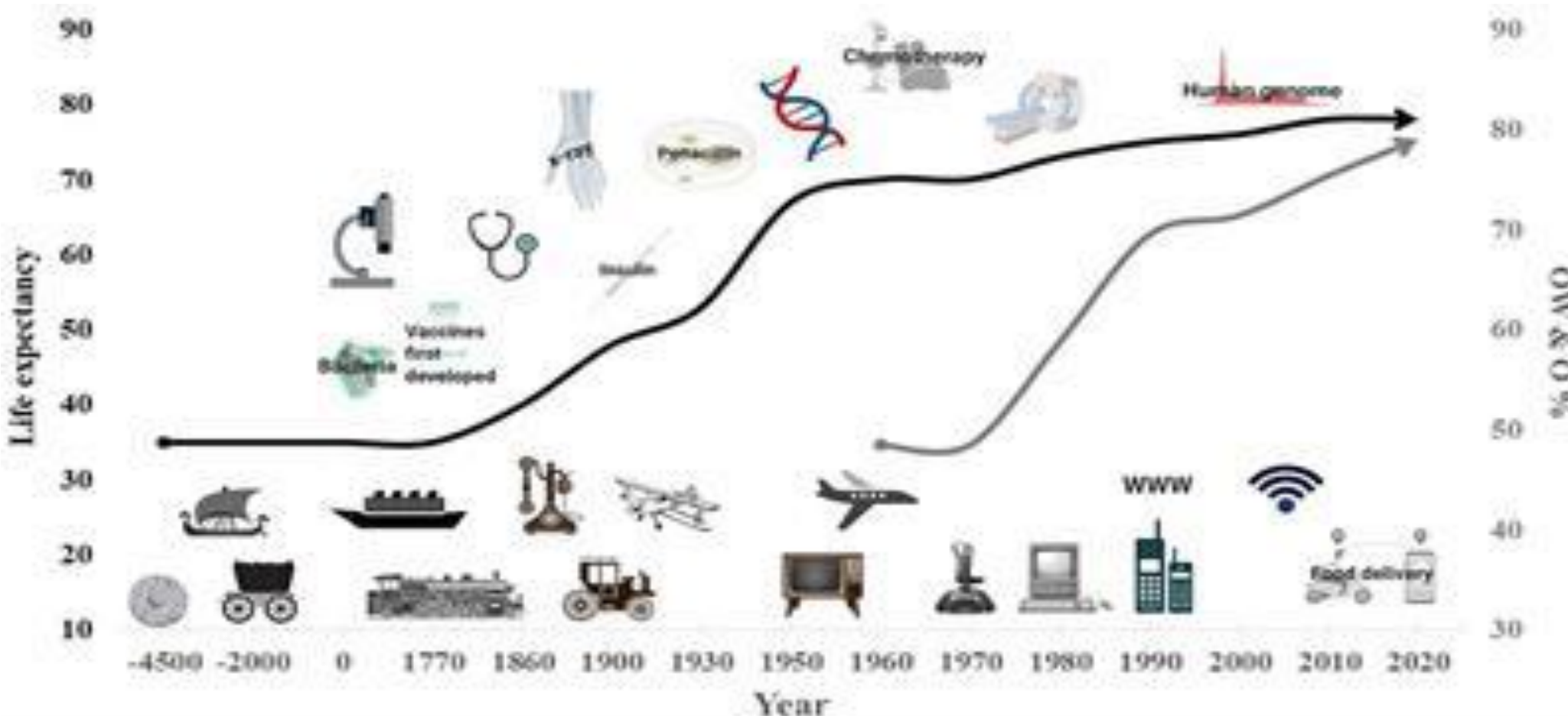
Phoenicians master trade
Routes around the Mediterranean
Sea after the global flood and the
Tower of Babel



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SCIENTIFIC METHODOLOGY

#2) Review Evidence and Data



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Noah's Timeline

- Noah's Lifespan ~950 years
 - Born ~3000 BC (5000+ yrs ago)
 - Flood ~2400 BC (4425+ yrs ago)
 - Died ~2050 BC (4075 yrs ago)
- Adam died ~75 years before Noah was born
- Methuselah lived during both Adam and Noah's lifetimes



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2 Peter 2:5 If he did not spare the ancient world, but preserved Noah, a herald of righteousness, with seven others, when he brought a flood upon the world of the ungodly

Methuselah, Noah's Grandfather

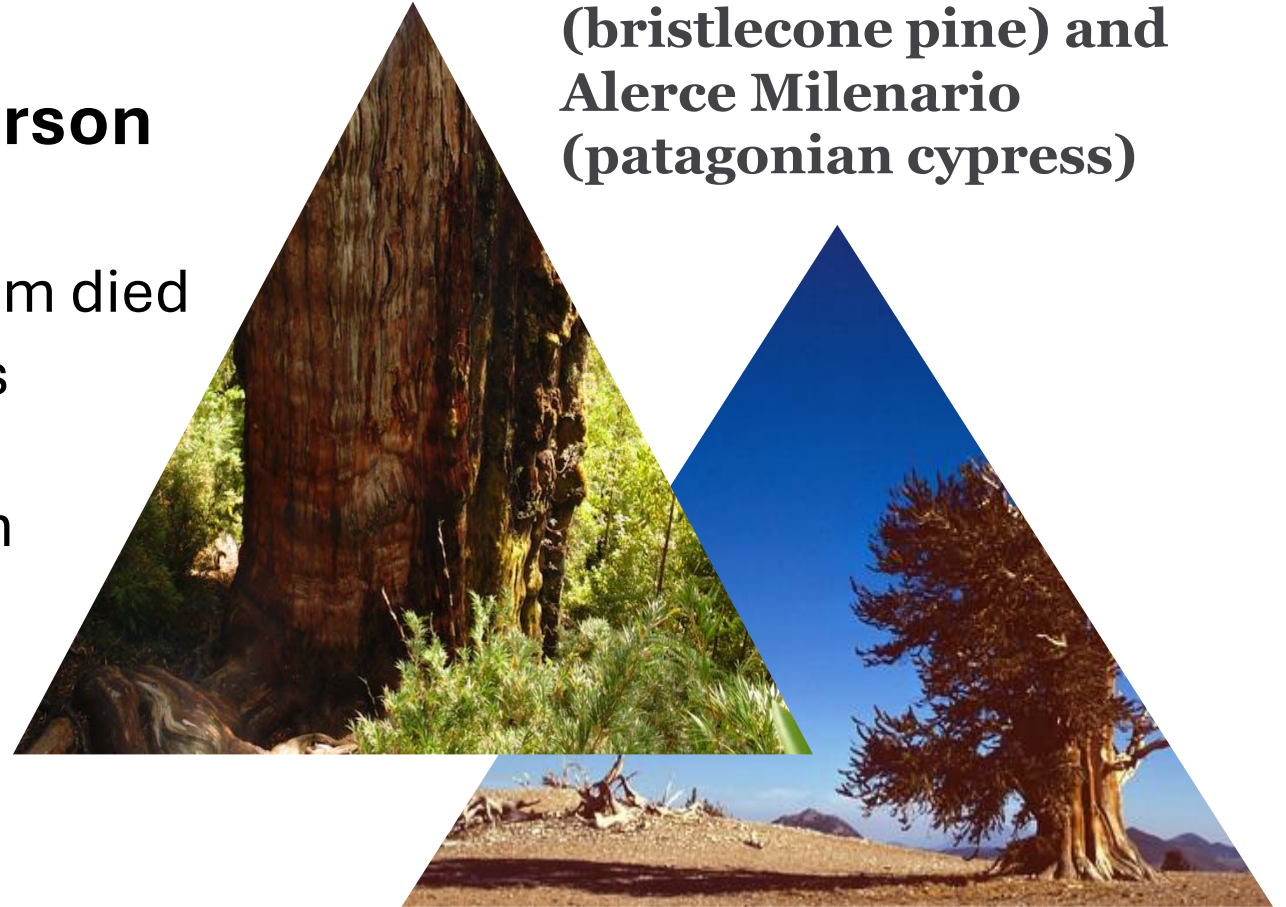
- **Known as the longest living person**

- Died at 969 years
- Born ~3075 BC near the time Adam died
- His name meant "his death brings judgment"
- The flood coincides with his death

- **The oldest known trees**

- Believed to be 4000-4500 yrs old
- Their ages coincide with the approximate time of the flood
- Possible candidates for dating the flood

**Methuselah
(bristlecone pine) and
Alerce Milenario
(patagonian cypress)**



LEVERS AND PIVOTS

Lever Examples



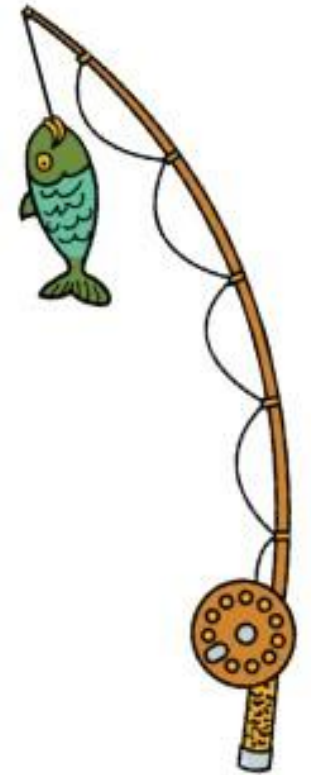
Scissors



Bottle opener



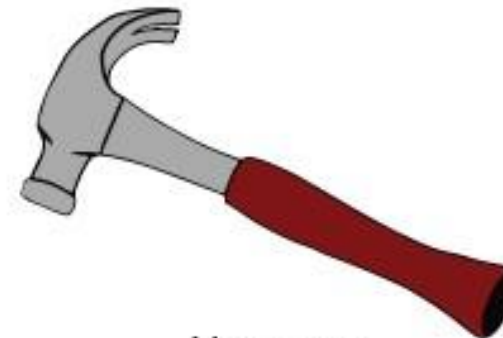
Tongs



Fishing rod



Wheelbarrow



Hammer

SIMPLE TOOLS

WEDGE – a piece of wood, metal, or some other material having one thick end and tapering to a thin edge



Wedge

Metal Tools 4000-3500 BC

Metallurgy – Bronze Age

Tubal-cain (Bible)

- Gold and Silver
- Copper
- Lead, Tin, Mercury
- Copper 88% & Tin 12% = Bronze
- Aluminum
- Copper & Zinc = Brass
- Some iron alloys



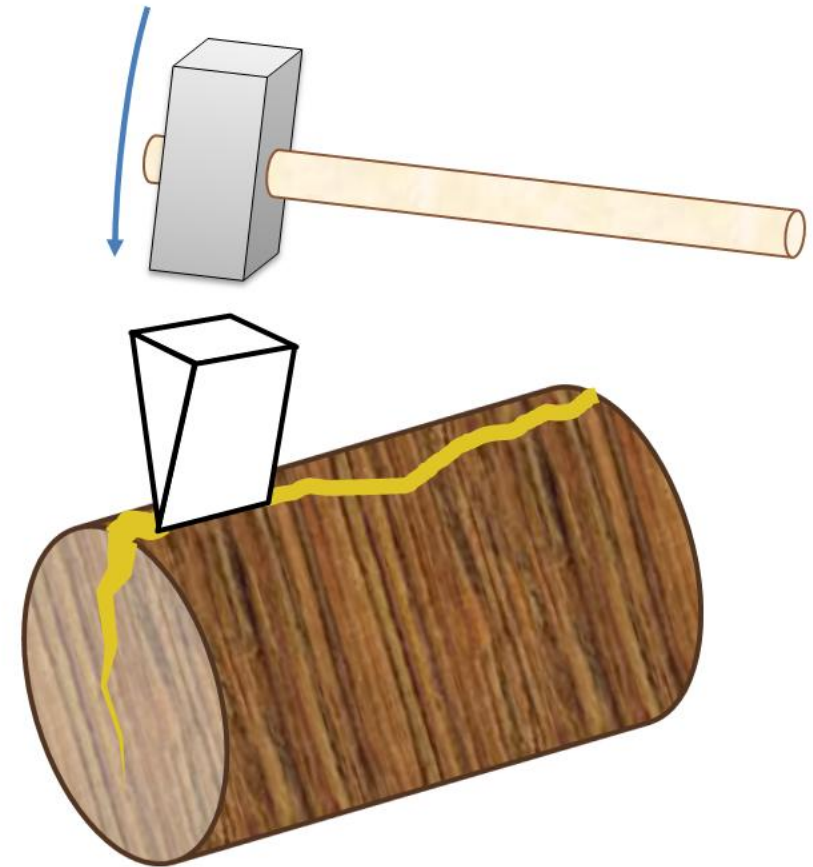
METALLURGY – LEVERS AND WEDGES



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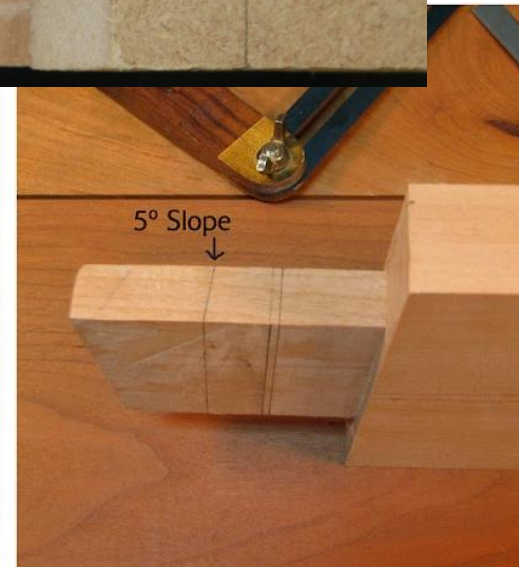
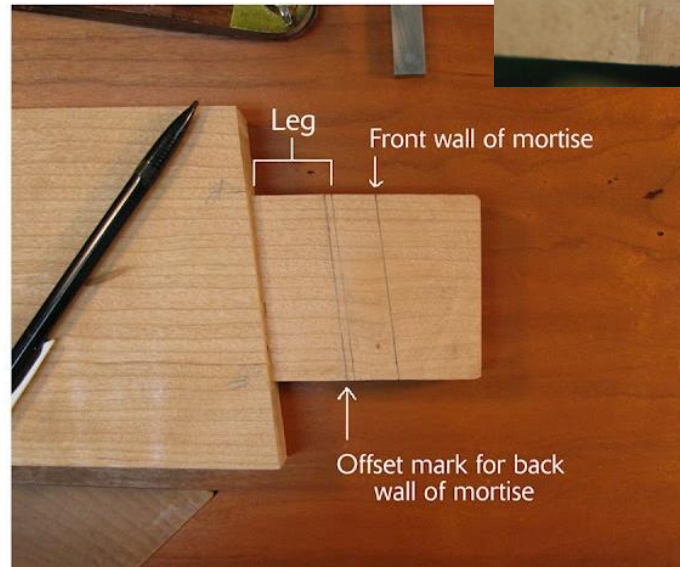
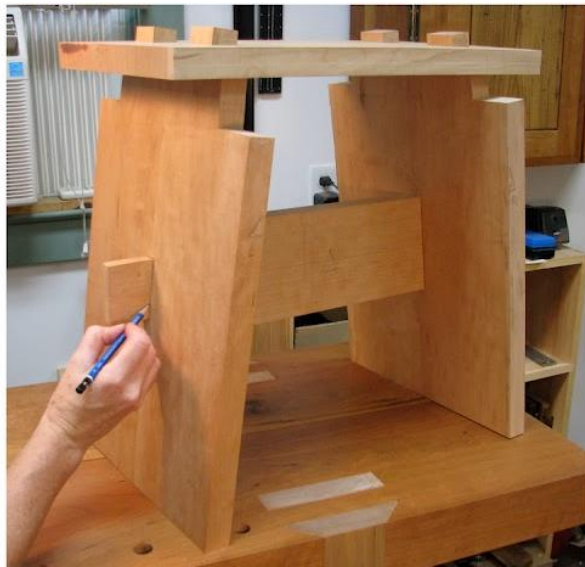
A WEDGE WITH LEVERAGE



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WOOD WORKMANSHIP

Joints, Pins, Pegs, many alternatives to nails, although Nails were likely available.



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GOD GAVE NOAH INSTRUCTIONS

ARK'S DIMENSIONS – a measurable extent of some kind, such as length, breadth/width, height/depth.



LENGTH	300 cubits = ~450 feet or ~135 meters long
WIDTH	50 cubits = ~75 feet or ~23 meters wide
HEIGHT	30 cubits = ~45 feet or ~14 meters tall

GOPHER WOOD PITCH

- Gopher may be cypress or acacia wood
- Pitch is a waterproofing, cement/glue, mineral slime



2 Peter 3:3,5-6

³ Above all, you must understand that in the last days scoffers will come, scoffing and following their own evil desires. ⁵ But they deliberately forget that long ago by God's word the heavens came into being and the earth was formed out of water and by water. ⁶ By these waters also the world of that time was deluged and destroyed.

APOLOGETICS



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When anyone rejects the idea of Noah's Ark, remember:

1. The Bible's dimensions are feasible
 - a. Capacity to hold all the required occupants and food.
 - b. Ability to withstand violent seas
2. Secular timelines indicate wooden boats were built in the same time frame.
3. The fossil record indicates a massive, global flood
4. The oldest trees coincide with the end of the global flood.

REMEMBER THESE THINGS



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INSTRUCTION: (a Lifeboat)

Genesis 7:1a And the LORD said unto Noah, Come thou and all thy house into the ark.

Christ is our source of strength; the force enabling us to do good works. If we choose not to leverage our gifts and talents by seeking His will for us, we cheat ourselves and others.

Learn to Trust Him for your Instructions.